

SPECIFICATIONS

FM TUNER SECTION

Usable Sensitivity (IHF)	1.8 μ V
Frequency Response	20 Hz - 15,000 Hz ± 1.2 dB
Harmonic Distortion	0.5% Mono (at 400 Hz 100% modulation) 0.8% Stereo (at 400 Hz 100% modulation)
Signal to Noise Ratio	63 dB at 1mV input
Image Rejection	60 dB
Selectivity (IHF ALT channel)	50 dB
IF Rejection	90 dB
Spurious Signal Rejection	90 dB
AM Suppression	60 dB
Capture Ratio	3.0 dB
Stereo Separation	40 dB at 1,000 Hz 25 dB at 10,000 Hz
Sub Carrier Suppression	45 dB
Antenna Impedance	300 ohms Balanced & 75 ohms Unbalanced

AM TUNER SECTION

Usable Sensitivity (IHF)	25 μ V
Signal to Noise Ratio	45 dB at 1 mV input
Image Rejection	45 dB
Selectivity (IHF)	30 dB
IF Rejection	35 dB
Antenna	Built-in ferrite bar antenna, External antenna terminals

MAIN-AMPLIFIER SECTION

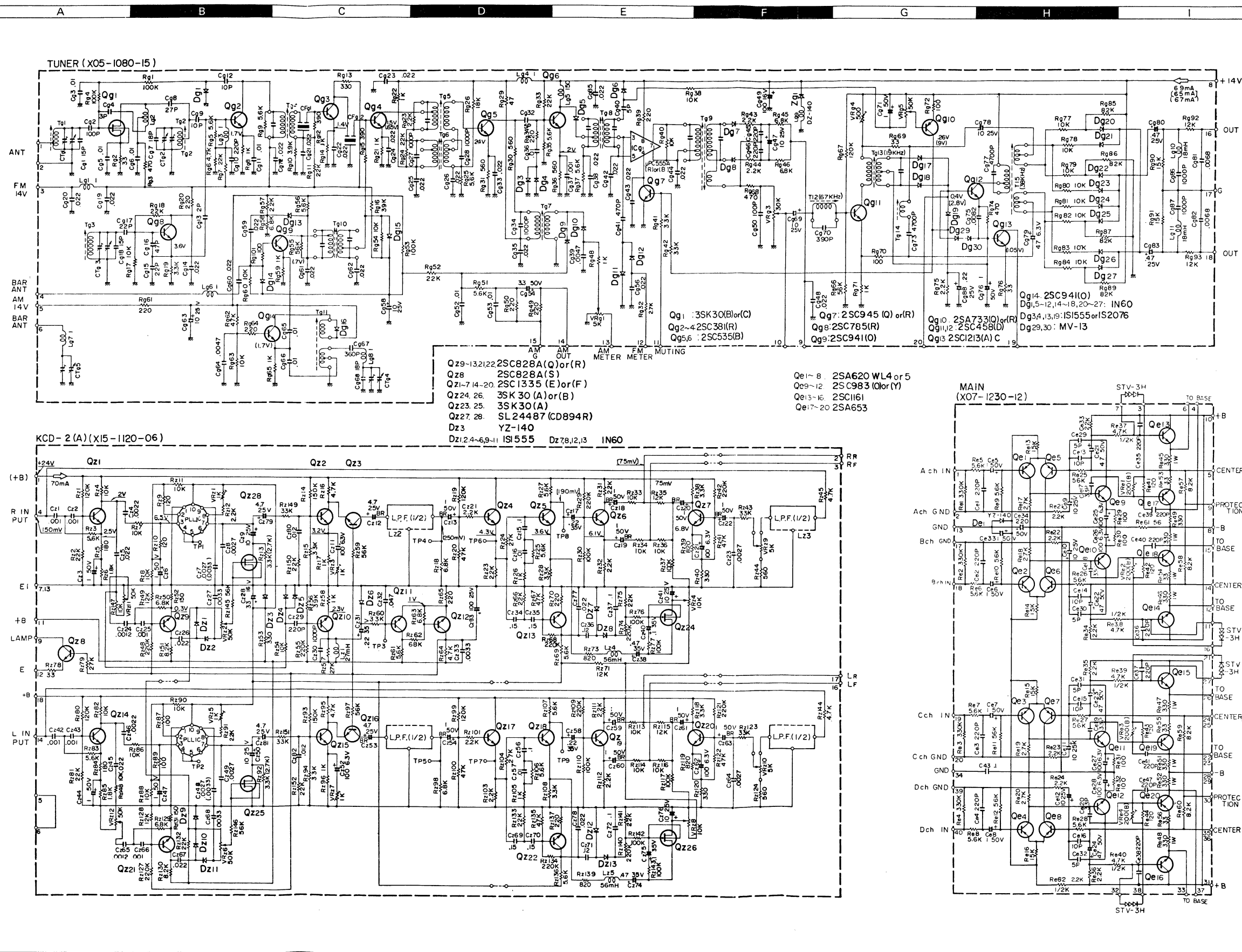
RMS Power Output	
Full channel driven	
into 8 ohms at 20 Hz - 20,000 Hz	40 x 4 watts
into 8 ohms at 1,000 Hz	44 x 4 watts
into 4 ohms at 1,000 Hz	55 x 4 watts
Dynamic Power Output	
into 8 ohms	240 watts
into 4 ohms	340 watts
Total Harmonic Distortion	
0.5% at rated power into 8 ohms	
0.1% at $\frac{1}{2}$ rated power into 8 ohms at 1,000 Hz	
Intermodulation Distortion	
(60 Hz : 7 kHz = 4 : 1)	0.5% at rated power into 8 ohms
Power Bandwidth	10 Hz - 50,000 Hz
Damping Factor	30 at 8 ohms
Speaker Impedance	Accept 4 ohms to 16 ohms

PRE-AMPLIFIER SECTION

Input Sensitivity and Impedance	
Phono 1	1.5 mV, 100 Kohms
Phono 2	1.5 mV, 100 Kohms
AUX	150 mV, 50 Kohms
Tape Play A, B	150 mV, 50 Kohms
Mic	2 mV, 15 Kohms
Maximum Input Voltage (rms)	
Phono 1, 2	100 mV T.H.D. 0.5% at 1,000 Hz
Signal to Noise Ratio	
Phono 1, 2	60 dB
AUX	75 dB
Tape Play A, B	75 dB
Mic	60 dB
Output Voltage and Impedance	
Tape Rec. A, B (Pin)	150 mV, 100 ohms
(Din connector)	40 mV
Frequency Response	
Phono 1, 2	RIAA Standard curve ± 1 dB
Tuner, AUX, Tape Play	20 Hz - 20,000 Hz ± 1 dB
Tone Controls	
Bass	± 10 dB at 100 Hz
Treble	± 10 dB at 10,000 Hz
Loudness Control (-30 dB)	± 10 dB at 100 Hz ± 5 dB at 10,000 Hz
Low Filter	-8 dB at 100 Hz
High Filter	-6 dB at 5,000 Hz

GENERAL

Switches	
Speaker Selector	A, B (PUSH SWITCH)
Input Selector	AM, FM, PHONO 1, PHONO 2, CD4, AUX
Mode	MONO, 2CH, RM, SO, DISC RETE
Tape Monitor	A, B A \rightarrow B DUBBING
Others	MUTING, LOUDNESS, LOW FILTER, HIGH FILTER, METER, LE VEL
AC Outlet	Switched 1 Unswitched 2
Power Consumption	550 watts at full power 38 watts at no signal
Dimensions	W 21-1/32" (534mm), D 6-3/8" (162mm) D 14-5/32" (360mm)
Weight	46.5 lbs. (21.1 kg)



VOLTAGE TABLE

X07-1230-12			
	E	C	B
Qe1~4	.65V	-32V	0V
Qe5~8	.65V	-32V	0V
Qe9~12	-36V	-.55V	-36V
Qe13~16	.65V	-36.5V	1.1V
Qe17~20	.08V	-36.5V	-.55V
Del	14.6V		

X13-1560-10			
	E	C	B
Qp1	-37V	26V	-37V
Qp2	26V	0V	26V
Qp3	0V	26V	0V
Qp4	5V	15V	0V
Qp5	5V	5V	5.4V
Qp6	24V	23V	24V
Qp7	24V	58V	25V
Qp8	14V	24V	14.5V

X13-1570-10			
	E	C	B
Qh1~4	2.3V	7V	2.7V

X07-1230-12			
No.	V	No.	V
No. 1	0V	No. 21	-.54V
No. 2	0V	No. 22	-36.5V
No. 3	0V	No. 23	-36.5V
No. 4	-36.5V	No. 24	0V
No. 5	.08V	No. 25	0V
No. 6	.67V	No. 26	.6V
No. 7	1.21V	No. 27	1.1V
No. 8	-37V	No. 28	-37V
No. 9	0V	No. 29	-37V
No. 10	37V	No. 30	0V
No. 11	1.4V	No. 31	37V
No. 12	.65V	No. 32	1.2V
No. 13	0V	No. 33	.65V
No. 14	0V	No. 34	0V
No. 15	-36.5V	No. 35	0V
No. 16	-.48V	No. 36	0V
No. 17	0V	No. 37	-36.5V
No. 18	0V	No. 38	-.5V
No. 19	0V	No. 39	0V
No. 20	0V	No. 40	0V